

**Project Arrangement
Between the Department of Energy of the United States of America
and the
Urals Research Center for Radiation Medicine
for Radiation Effects Research**

Purpose:

This Project Arrangement establishes the framework for cooperation and co-support of the following Direction 1 projects of the Joint Coordinating Committee for Radiation Effects Research (JCCRER) established by the Agreement between the Government of the United States of America and the Government of the Russian Federation on Cooperation in Research on Radiation Effects for the Purpose of Minimizing the Consequences of Radioactive Contamination on Health and the Environment (the Agreement):

Project 1.1, "Development of an Improved Dose Reconstruction System for the General Population Affected by the Operation of the Mayak Production Association"

Project 1.2a, "Physical Preservation of Existing Data"

Project 1.2c, "Stochastic Effects of Environmental Radiation Exposure in Populations Living Near the MAYAK Industrial Association"

Responsible Parties:

The responsible parties are the Director of the Urals Research Center for Radiation Medicine (URCRM), and the Director, Office of International Health Programs, Department of Energy (DOE).

Scope:

This arrangement pertains only to DOE-supported Direction 1 projects. Cooperation under this Project Arrangement shall be conducted in accordance with the Agreement.

Understandings:

1. Implementation of Direction 1 projects by URCRM will follow the JCCRER Guiding Principles.
2. Subject to the availability of funds, the DOE will support these projects by fully funding JCCRER-related U.S. expenses and co-funding URCRM expenses. URCRM will work with the Ministry of Health and the Ministry of the Russian Federation for Civil Defense Affairs, Emergencies and Elimination of

Consequences of Natural Disasters to obtain its share of the co-funded expenses.

3. The DOE's overall contribution of monies will be determined annually and payments made incrementally. DOE funding decisions will depend on the availability of DOE funds, priorities, and the projects' prior year progress.
4. Upon signing of this document by both parties and upon approval of milestones, deliverables, and funding levels by DOE, DOE will commence transferring U.S. monies for the first year's work on these projects. Year one milestones for each project are in Annex 1. For subsequent years, annual project milestones will be delineated in new annexes.
5. URCRM will submit quarterly budget and technical reports for each project to the DOE. Reporting requirements are specified in Annex II.
6. The mechanisms for transferring DOE funds to support these projects may vary and will be specified in Annex III.
7. URCRM will ensure that all scientific reports, progress reports, and proposals are provided, both in English and in Russian, to the American and Russian funding agencies, and when requested, to the JCCRER.

Performance:

DOE and URCRM representatives will confer regularly (at least every 4 months) to review the status of milestones and deliverables. Both Russian and U.S. JCCRER representatives will be kept apprised of the results of these discussions.

General Provisions:

Cooperation under this Project Arrangement is in accordance with the laws and regulations under which each party operates. Monies shall be provided subject to the availability of appropriated funds and to the mutual consent of the parties. The parties agree to inform each other of any developments that potentially impact project implementation.

Effective Date and Terminations:

This Project Arrangement shall become effective upon signature by the parties below and shall remain in force for five years. This Project Arrangement may be terminated by either party upon ninety (90) days written notice to the other party.

For the U.S. Department of Energy,
Office of International Health Programs

Date: Feb 11, 1997

For the Urals Research Center
for Radiation Medicine

Date: Feb 27, 1997

Addendum to the
Project Arrangement
Between the Department of Energy of the United States of America
and the
Urals Research Center for Radiation Medicine
for Radiation Effects Research

Purpose:

Under "Project 1.2a, "Physical Preservation of Existing Data", add:

"Additionally, DOE will support, as a humanitarian aid, a separate effort to microfilm critical URCRM records."

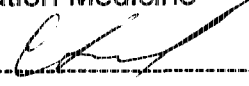
Understandings:

5. Modify to state, "URCRM will submit semi-annual budget and technical reports to the DOE. Reporting requirements are specified in Annex II.

For the U.S. Department of Energy,
Office of International Health Programs

Elizabeth P. White for Frank Hawkins
Date 1/21/98

For the Urals Research Center
for Radiation Medicine


Date 21.01.98

Annex I
Milestones and Deliverables
for FY 1997 (February 1997 - September 1997)

DOE will contribute \$148,000 to URCRM for FY 1997 for joint DOE-URCRM funded JCCRER projects. DOE and URCRM have agreed that at least 60 percent of this amount, or \$88,000 shall go directly to the Russian scientists working on the projects below.

Milestones and deliverables for the funding period February - September 1997 are listed below by project.

Note: The following are milestones and deliverables ONLY and may not reflect the broad span of activities principal investigators will be working on during this time period for the project(s). The semi-annual progress reports should reflect the full range of activities conducted during this time period.

Project 1.1:

1. Justification of the equipment for whole-body counter (SICH-9.1) upgrade. (May 1997)
2. Feasibility analysis of the development of a special system for obtaining tooth samples from the Techa River residents. (July 1997)
3. Analytical review of historical monitoring data and modeled concentrations of radionuclides in Techa River water and sediments at specified locations over time. Includes description of hydrologic data and models employed. (September 1997)
4. Manufacturing of an anthropomorphic physical phantom for calibration of the whole body counter SICH-9.1. (September 1997)

Project 1.2A:

1. Refining of data imaging equipment specifications. (June 1997)
2. Procurement of data imaging equipment. (September 1997)

Project 1.2C:

1. Identification of the number and composition of the Techa sub-cohort of non-migrants and assessment of completeness of information on cancer incidence for this sub-cohort. (September 1997)

BUDGET REQUEST
Office of International Health Programs (EH-63) Funded Projects/
U.S. Department of Energy

Date prepared: 20.03.1997

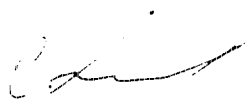
Period of Support: 02.1997-10.1997

Project Title:

Projects under the aegis of the JCCRER (1.1, 1.2a, 1.2c)
Institution: Urals Research Center for Radiation Medicine (URCRM)
Complete Address: Medgorodok, Chelyabinsk 454076, Russia
E-mail: akleyev@urcrm.chel.su Telephone: 7-3512/ 344-762
Fax: 7-3512/ 344-321
Names of Principal Investigators:
Dr. M.O. Degteva, Dr. N.V. Startsev, Dr. M.M. Kossenko
Name of Contact Person: Alexander Akleyev, MD, Director, URCRM

Requested Items	Est. Amt. in U.S.\$
A. Itemize Equipment (if appropriate)	
Please list description of equipment (more than \$5,000)	
Sr-90 phantom	14,000
Hardware (UPS/printer)	2,000
Subtotal	16,000
B. Supplies	
Cartridges, paper	
Subtotal	2,000
C. Estimated Travel Costs	
Please list names of travelers	
Nikolai G. Bougrov,	domestic; USA - Aug., 1997
Nikolai V. Startsev,	USA May, Oct., 1997
Subtotal	12,800
D. Personnel Costs	
Percent Effort	
Project Personnel Costs	
Salaries	38,055
Taxes on pay-roll fund (44%)	16,745
Subtotal	54,800
E. Other Costs	
(i.e. Publication/Intro. Technology Costs)	
Telephone, e-mail, fax	2,400
Subtotal	2,400
F. Indirect Costs (i.e., institutional costs; subcontracts)	
	60,000
Subtotal	60,000
Est. Total	148,000

Alexander Akleyev, MD
Director, URCRM



Annex 1A

Milestones and Deliverables through March 1998

Additional FY 1997 funding from EH-63 equal to \$217,000 will be used by URCRM to complete (by March 31, 1998) the tasks listed below:

1. Whole body counter SICH-9 upgrade and calibration (project 1.1 sub-tasks 15 and 16);
2. Entry into the computer of individual information on the sources of water supply in 1950-1951 for the residents of Metlino (project 1.1 sub-task 10);
3. Collection of samples for thermoluminescent measurements (project 1.1);
4. Computer controlling scanning bed system for whole body counter SICH-9 (turn key), mechanical and electronic parts (project 1.1);
5. Travel of Dr. Romanyukha (project 1.1) to University of Utah to conduct EPR measurements (November 1997 - January 1998);
6. Pre-scanning preparation of 13,000 outpatient charts and 2,000 case histories (project 1.2a);
7. Scanning of 13,000 outpatient charts and 2,000 case histories (project 1.2a);
8. Conduct of a series of validation procedures to determine the completeness and to enhance the quality of the URCRM cancer morbidity registry for the Techa River Cohort (project 1.2c);
9. Travel of Dr. Kossenko (project 1.2c) to the USA in August 1997;
10. Modernization of local computer network;
11. Purchase of computer equipment for the communications upgrade.

BUDGET REQUEST
OFFICE OF INTERNATIONAL HEALTH PROGRAMS (EH-63) FUNDED PROJECTS/
U.S. DEPARTMENT OF ENERGY

Date prepared: 14.07.1997

Period of Support: 1.10.97-31.03.98.

PROJECT TITLES:

Projects under aegis of JCCRER:

1.1 Development, of an improved dose reconstruction system for the general population affected by the operation of the Mayak Industrial Association

1.2a Physical preservation of the existing data

1.2c Stochastic effects of environmental radiation exposure in populations living near the Mayak Industrial Association

INSTITUTION:

Urals Research Center for Radiation Medicine (URCRM)

Complete Address:

Medgorodok, Chelyabinsk 454076, Russian Federation

E-mail: akleyev@urcrm.chel.su Phone: 7-3512/344-762 Fax: 7-3512/344-321

Names of Principal Investigators:

1.1 - Marina O. Degteva; 1.2A - Nikolai V. Startsev;

1.2C - Mira M. Kossenko

Name of Contact Person: Alexander Akleyev, MD, Director, URCRM

Requested Items	Est. Amt. in US \$\$
A. Equipment	17 350
B. Supplies	2 614
C. Travel Costs	17 200
D. Personnel	
Total	47 988
Fringe benefit	21 112
Total	69 100
E. Other Costs	41 550
F Indirect Costs	52 186
Est. Total	200 000

Alexander Akleyev, MD

Director, URCRM



ADDITIONAL JUSTIFICATION for BUDGET REQUEST FORM

Office of International Health Programs (EH-63) ,Department of Energy

A. Equipment	Est. Amount in USA \$
1. Cs-137, K-40, U, Th standard phantoms for whole-body counter SICH-9.1 calibration	11 500
2. Computers	5 200
3. Scanner	650
Equipment Total	17 350
B. Supplies	
1. Consumable (cartridges, paper for printers and copier)	2 464
2. Containers for tooth sample collection	150
Supplies Total	2 614
C. Estimated Travel Costs	Destination Travel Dates
International travels:	
1. M.M. Kossenko, (discuss research results)	USA August, 1997 4 400
2. N.V. Startsev (discuss research results)	USA March, 1998 3 100
3. M.M. Kossenko (discuss research results)	USA March, 1998 4 000
4. L.U.Krestinina	USA, training on biostatistics 3 000
Domestic travels:	
1. Two persons (Milestone 1) to St. Petersburg	February, 1998 1 500
2. Urals Region (Milestones 2, 3)	1 200
Travel Budget Total	17 200

D. Personnel Costs

Project 1.1.

No	Name	Role (milestones)	Salary, \$ per hour	Hours (% of time)	Amount of money \$
1.	Degteva M.O.	PI	3.5	435(60)	1 520
2.	Vorobiova M.I.	Task Leader (1)	2.7	435(60)	1 175
3.	Kozneurov V.P.	Task Leader (2)	2.7	435(60)	1 175
4.	Burmistrov D.S.	Task Leader (6)	2.7	435(60)	1 175
5.	Bougrov N.G.	Task Leader (4)	2.7	435(60)	1 175
6.	Romanyukha A.A.	Task Leader (9)	2.7	435(60)	1 175
7.	Tolstykh E.I.	Task Leader (3)	2.5	435(60)	1 175
8.	Safronova N.G.	Scientist (1, 4)	2.5	435(60)	1 085
9.	Koshta A.A.	Scientist (5, 9)	2.5	435(60)	1 085
10.	Mikusheva R.K.	S.Technician (2, 3)	2.0	435(60)	870
11.	Gribanova E.E.	S.Technician (2, 3)	2.0	435(60)	870
12.	Shishkina E.A.	S.Technician (5)	2.0	435(60)	870
13.	Ignatiev E.A.	S.Technician (5, 9)	2.0	435(60)	870
14.	Kozyrev A.V.	Programmer (2)	2.5	435(60)	1 085
15.	Kovtun A.N.	Task Leader (2)	2.7	435(60)	1 175
16.	Zaitsev B.S.	S.Engineer (2)	2.5	435(60)	1 085
17.	Sobolev A.A.	Task Leader (1)	2.5	435(60)	1 085
18.	Rosen I.S.	S.Engineer (2)	2.5	435(60)	1 085
19.	Baryshev V.V.	S.Technician (2)	2.0	435(60)	870
Total					19 085
Fringe benefits (44%)					8 395
Total					27 480

Project 1.2a

No	Name	Role (milestones) (see Attachment I)	Salary \$ per hour	Hours % of time	Amount of money, \$
1.	Staritsev N.V.	PI	3,5	280	980
2.	Gritsenko V.P.	Project Coordinator	2,65	280	742
3.	Kuzina T.V.	Task Leader	2,6	300	780
4.	Zhickova E.M.	Transl./Interpreter	2,6	150	390

5	Engineer	2,5	250	625
6.	Engineer	2,5	250	625
7.	Technician	1,6	965	1 544
8.	Technician	1,6	965	1 544
9.	Technician	1,6	965	1 544
10.	Technician	1,6	965	1 544
11.	Technician	1,6	965	1 544
12.	Technician	1,6	965	1 544
13.	Technician	1,6	965	1 544
Total				14 950
Fringe benefits (44%)				6 578
Total				21 528

Project 1.2c

No	Name	Role (milestones)	Salary \$ per hour (% of time)	Hours	Amount of money, \$
1.	Kossenko M.M.	PI A-3,5, B	3.6	204	735
2.	Krestinina L.U.	S.Researcher B-1,2	3,0	420	1 260
3.	Gudkova N.V.	Epidemiologist B-1,2	2.5	350	875
4.		Researcher B-1c,2,	2.5	490	1 250
5.	Ostroumova E.	Epidemiologist A-3a	2.6	349	907
6.	Vyushkova O.V.	Epidemiol. A-3c	2.6	247	642
7.	Epifanova S.B.	Programmer A-3,5	2.6	150	390
8.		Data Base Manager A-3,5	2.6	247	642
9.		Coder/Nosologist A-3a	2.2	500	1 100
10		Coder/Nosologist B-2c	2.2	409	900
11.		Translator A,B	3	125	375
12.		Technician A-3	1.6	940	1 504
13.		Technician A-3	1.8	375	675
14.		Technician B-1c,B-2	1.7	400	680
15.		Technician B-1c, B-2	1.6	600	960
16.		Technician B-1c,B-2	1.6	661	1 058
Total					13 953
Fringe Benefits (44%)					6 139
Total					20 092

Personnel Costs Total	47 988
Fringe Benefits Total	21 112
Personnel Costs Total	69 100

E. Other Costs	Est. Amounts in USA \$
1. Telephone, e-mail, Fax	1 750
2. Training (personnel training for making CD-ROM under Project 1.2A)	6 500
3. Payment for information on cohort members: cancer incidence from ZAGS and Oncology Dispensary; addresses from Address Bureaus (Project 1.2c)	3 000
4. Computer-controlled scanning bed system for Whole=Body Counter SICH-9.1 (turn-key)	15 300
5. Modernization of local computer network: purchasing of SYSTEMAX system with a 15 year guarantee for 40 stations and 1 server; adapter SCSI; hard disks - 4 pieces	15 000
Other Costs Total	41 550

F. Indirect Costs (institutional costs) 40% of (B+C+D+E)	
Indirect Costs Total	52 186
Est. Total	200 000

Alexander Akleyev, MD,
Director, URCRM



ATTACHEMENT
to Project 1.2a

Personnel involvement in the Project milestones

Gritsenko V.P: Project co-ordinator, technical manager

Kuzina T.V.: task leader; preparation of templets for scanning documents; scanning documents of poor quality

Engineers: technical maintenance of the local computer network; scanning quality control

Technicians: preparation of documents for scanning (sorting out 13 000 out-patient cards and 2 000 case histories); scanning documents

BUDGET REQUEST
OFFICE OF INTERNATIONAL HEALTH PROGRAMS (EH-63) FUNDED PROJECTS/
U.S. DEPARTMENT OF ENERGY

Date prepared: 25.08.1997

Period of Support: 1.10.97-31.03.98

PROJECT TITLES:

Projects under aegis of JCCRER:

1.1 Development of an improved dose reconstruction system for the general population affected by the operation of the Mayak Industrial Association

1.2a Physical preservation of the existing data

1.2c Stochastic effects of environmental radiation exposure in populations living near the Mayak Industrial Association

INSTITUTION:

Urals Research Center for Radiation Medicine (URCRM)

Complete Address:

Medgorodok, Chelyabinsk 454076, Russian Federation

E-mail: akleyev@urcrm.chel.su Phone: 7-3512/344-762 Fax: 7-3512/344-321

Names of Principal Investigators:

1.1 - Marina O. Degteva; 1.2A - Nikolai V. Startsev;

1.2C - Mira M. Kossenko

Name of Contact Person: Alexander Akleyev, MD, Director, URCRM

Requested Items	Est. Amt. in US \$\$
A. Equipment	13 500
C. Travel Costs	3 500
Total	17 000
Est. Total	17 000
Alexander Akleyev, MD	
Director, URCRM	



Annex IB
Milestones and Deliverables from April 1, 1998 through
September 30, 1998

DOE will contribute \$178,660 (\$168,000 plus \$10,660 for the microfilming effort) in FY 1998 to URCRM for work between April 1, 1998 and September 30, 1998 on joint DOE-URCRM funded projects. DOE and URCRM have agreed that overhead costs will not exceed 40 percent of the scientific costs of this work.

Milestones and deliverables for the funding period April 1998 through September 1998 are listed below:

1. Collection of samples for EPR measurements (task 7). Progress report describing the samples to be collected and measured. Progress report for Milestone 9 from master list - June 1998 (Project 1.1).
2. Report on individual body burden histories and resulting internal organ doses evaluated on the basis of the Techa River Dosimetry System approach. Includes doses due to all radionuclides ingested (task 4). Final report for Milestone 3 from master list - September 1998 (Project 1.1).
3. Completion of upgrade and calibration of the SICH (whole body counter sub-tasks 16 and 18). Final report for Milestone 3 from master list - September 1998 (Project 1.1).
4. Testing of the scanning equipment (Project 1.2a):
 - a. Master scanning methods;
 - b. Pre-scanning preparation of outpatient charts and case histories;
5. Scanning of outpatient charts and case histories (project 1.2a);
6. Microfilming original documents stored on paper (project 1.2a);
7. Conduct of a series of validation procedures to determine the completeness and to enhance the quality of the URCRM cancer morbidity registry for the Techa River Cohort:
 - a. Coding the underlying and contributing causes of death;
 - b. Linking the data from the cancer morbidity registry with the clinic registry (project 1.2c).

ADDITIONAL JUSTIFICATION for BUDGET REQUEST FORM

Office of International Health Programs (EH-63), Department of Energy

A. Equipment	Est. Amount in USA \$
1. Computers	13 500
Equipment Total	13 500

C. Estimated Travel Costs	Destination	Travel Dates	
International travels:			
1. A. Romanyukha	USA	1997	3 500
Travel Budget Total			3 500

Alexander Akleyev, MD.

Director, URCRM



25.08.1997

BUDGET REQUEST
OFFICE OF INTERNATIONAL HEALTH PROGRAMS (EH-63) FUNDED PROJECTS/
U.S. DEPARTMENT OF ENERGY

Date prepared: 14.01.1998

Period of Support: 01.04.98 - 30.09.98

Project Titles:

Projects under aegis of JCCRER:

1.1 Development of an improved dose reconstruction system for the general population affected by the operation of the Mayak Industrial Association

1.2a Physical preservation of the existing data

1.2c Stochastic effects of environmental radiation exposure in populations living near the Mayak Industrial Association

Institution:

Urals Research Center for Radiation Medicine (URCRM)

Complete Address:

Medgorodok, Chelyabinsk 454076, Russian Federation

E-mail: akleyev@urcrm.chel.su

Phone: 7-3512/344-762

Fax: 7-3512/344-321

Names of Principal Investigators:

1.1 - Marina O. Degteva; 1.2A - Nikolai V. Startsev;

1.2C - Mira M. Kossenko

Name of Contact Person:

Alexander Akleyev, MD,

Director, URCRM

Requested Items	Est. Amt. in US \$\$
A. Equipment	4,400
B. Supplies	2,800
C. Travel Costs	19,100
D. Personnel	
Total	40,401
Fringe benefit	17,776
Total	58,177
E. Other Costs	32,494
F Indirect Costs	45,029
Est. Total	162,000

Alexander Akleyev, M.D.,
Director, URCRM



ADDITIONAL JUSTIFICATION for BUDGET REQUEST FORM

Office of International Health Programs (EH-63), Department of Energy

A. Equipment		\$\$
1. Portable copier		1,650
2. Lazer Printer		1,250
3. Notebook Pentium		1,500
Equipment Total		4,400

B. Supplies

1. Consumable (cartridges, paper for printers and copier, diskettes, pens, folders)	2,800
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C. Travel Costs

Names of travellers	Destination	Travel Dates	Estimated Costs, \$\$
International travel:			
1. M.O. Degteva (annual report preparation)	USA, University of Utah, Salt Lake City	August 1998	4,500
2. N.V. Startsev (progress report on project 1.2A)	USA	September, 1998	4,100
3. M.M. Kossenko (progress report on project 1.2C)	USA	September 1998	3,500
4. V.P. Gritsenko (Solving questions related to tasks included in Project 1.2A and microfilming subproject)	USA	September 1998	4,000
Domestic travel:			
5. One person for Milestone 3, Project 1.1	St. Petersburg		800
6. For Projects 1.1, 1.2A, 1.2C	Urals region	Apr.-Sept., 1998	2,200
Travel Budget Total			19,100

D. Personnel Costs

Project 1.1.

No	Name	Role (milestones)	Salary, \$ per hour	Hours (% of time)	Amount of money \$
1.	Degteva M.O.	PI	3.5	435(60)	1,520
2.	Vorobiova M.I.	Task Leader (1)	2.7	435(60)	1,175
3.	Kozheurov V.P.	Task Leader (2)	2.7	435(60)	1,175
4.	Burmistrov D.S.	Task Leader (6)	2.7	435(60)	1,175
5.	Bougrov N.G.	Task Leader (4)	2.7	435(60)	1,175
6.	Romaryukha A.A.	Task Leader (9)	2.7	435(60)	1,175
7.	Tolstykh E.I.	Task Leader (3)	2.5	435(60)	1,175
8.	Safronova N.G.	Scientist (1,4)	2.5	435(60)	1,085

9.	Koshta A.A.	Scientist (5,9)	2.5	435(60)	1,085
10.	Mikusheva R.K.	S.Technician (2,3)	2.0	435(60)	870
11.	Gribanova E.E.	S.Technician (2,3)	2.0	435(60)	870
12.	Shishkina E.A.	S.Technician (5)	2.0	435(60)	870
13.	Ignatiev E.A.	S.Technician (5,9)	2.0	435(60)	870
14.	Kozyrev A.V.	Programmer (2)	2.5	435(60)	1,085
15.	Kovtun A.N.	Task Leader (2)	2.7	435(60)	1,175
16.	Zaitsev B.S.	S.Engineeer (10)	2.5	435(60)	1,085
17.	Baturin V.A.	S.Engineer (10)	2.5	435(60)	1,085
18.	Kopelov A.A.	S.Engineer (10)	2.5	435(60)	1,085
19.	Taranenko V.V.	S.Technician (6)	2.0	435(60)	870
Total					19,085
Fringe benefits (44%)					8,397
Total					27,482

Project 1.2A.

period: April 1998 - September 1998 *

No	Name	Role (milestones)	Salary \$ per hour	Hours %of time	Amount of money, \$
1.	Startsev N.V.	PI	3.5	280	980
2.	Gritsenko V.P.	Special administ- ration support	2.65	280	742
3.	Kuzina T.V.	Task Leader	2.6	300	780
4.	Zhickova E.M.	Transl./Interpreter	2.6	150	390
5.		Engineer	2.5	250	625
6.		Engineer	2.5	250	625
7.		Technician	1.6	965	1,544
8.		Technician	1.6	965	1,544
9.		Technician	1.6	965	1,544
10.		Technician	1.6	965	1,544
11.		Technician	1.6	965	1,544
12.		Technician	1.6	965	1,544
13.		Technician	1.6	965	1,544
Total					14,950
Fringe benefits (44%)					6,578
Total					21,528

* Project 1.2A - Role (milestones)

Project Administrator V. Gritsenko: special administrative and technical support

Task Leader T. Kuzina: making of templets for document scanning; scanning of poor quality documents

Engineers: technical service of the local computer network; quality control of scanned documents

Technicians: pre-scanning preparation of documents (sorting 26,000 out-patient charts and 4,000 case histories; scanning documents (26,000 out-patient charts and 4 case histories if 4 work-stations are supplied, or 13,000 out-patient charts and 2,000 case histories, if only 2 work-stations are available)

Project 1.2c

No	Name	Role (milestones)	Salary \$ per hour	Hours (%of time)	Amount of money, \$
1.	Kosserko M.M.	PI (A-3a,3c)	3.6	204	735
2.	Ostroumova E.	A-3c	2.6	349	907
3.	Vyushkova C.V.	A-3c	2.6	247	642
4.	Epifanova S.B.	A-3c/i	2.6	150	390
5.	Data Base Manager	A-3a,3c	2.6	247	642
6.	Coder/Nosologist	A-3a/v	2.2	250	550
7.	Technician	A-3a/iv	1.3	500	650
8.	Technician	A-3c/ii	1.85	1000	1,850
Total					6,366
Fringe Benefits (44%)					2,801
Total					9,167

E. Other Costs

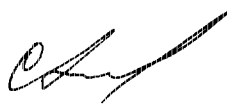
1.	Telephone, e-mail, Fax	3,023
2.	Payment to dentists for tooth samples collection	1,000
3.	Payment for information on cohort members: cancer incidence from ZAGS and Oncology Dispensary; addresses from Address Bureaus	1,500
4.	Training (personnel training for making CD-ROM under Project 1.2A)	7,571
5.	Modernization of URCRM E-mail system (purchasing of an independent sound channel for E-mail, purchasing of a Pentium computer, Laser Jet Printer, fax-modem, scanners, source of non-interrupted supply)	7,400
6.	Preparation of the SRG Meeting in April 1998	10,000
7.	Charges for use of the Internet	2,000
Other Costs Total		32,494

F. Indirect Costs

1.	Payment for Chelyabinvestbank services	1,620
2.	Supplementary (indirect): (lighting, heating, water-supply, guard, transport, upkeeping of premises, salary for an auxilliary staff, maintenance of equipment and others)	43,409
Indirect Costs Total		45,029

Est.Total (A+B+C+D+E+F)	162,000
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Alexander V. Akleyev, M.D.,
Director, URCRM



To: ELLY MELAMED@EH
cc:
Subject: Re: Network expenses

----- cc:Mail Forwarded -----
From: "Alexander V. Akleyev" <akleyev@urcrm.chel.su> AT
INTERNET
Date: 01/28/98 10:05 AM
To: ELIZABETH WHITE AT EH-07
Cc:
Subject: Re: Network expenses

This is Akleyev's response to our request that he look into
the other option.....

Forward Header

Subject: Re: Network expenses
Author: "Alexander V. Akleyev" <akleyev@urcrm.chel.su> at INTERNET
Date: 1/28/98 10:05 AM

Dear Libby:

Dr. Akleyev is not available right now (visiting in
Germany, will be back by 03.02.1998). It is only after that date
that he will be able to respond to your message re EPR issues.

Just before departure Dr. Akleyev asked me to send you a
short message listing our internet expenses. I was unable to do
that right away because of some problems with e-mail/computer.
Now the e-mail system is in the state of remission, so we can
communicate.

In order to get access to the Internet and set up a local
Internet network at the URCRM we need the following items of
equipment:

Category	Items	Cost (\$)
1. Telephone numbers	2	2,000
2. Pentium-200 PC to be used as a server	1	2,000
3. Modem Motorola Cedex (model 3,268 or 3267)	2	3,000
4. Unix software		100
5. Local network for 4 users		2,990
6. Registration (purchasing a canal ensuring round-the-clock access)		500
7. Charges for 24-hour use		200/mo 2,400/yr

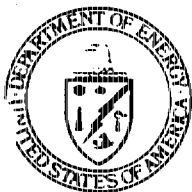
Total

~~\$12,990~~

\$6,000

We would appreciate very much if you could provide the
amount we need to put the plans for communication upgrade into

approved
(in addition
to \$2,000
already in
budget).



Department of Energy
Germantown, MD 20874-1290

August 14, 1997

Charles T. Owens, Associate Director
United States Civilian Research and
Development Center
1800 Kent Street, Suite 1106
Arlington, VA 22209

Dear Mr. Owens:

In response to your proposal of July 16, 1997, to provide services associated with the Department of Energy microfilming project at the Urals Research Center for Radiation Medicine (URCRM) in Chelyabinsk, I am writing to confirm our intention to provide money to the CRDF to use for the following services:

Individual financial support for two people at URCRM for a year at a rate of \$350 per month = \$8,400; Overhead costs to URCRM = \$2,260; shipping the microfilm equipment from the U.S. to URCRM in Chelyabinsk = \$3,500; transfer costs = \$840; total = \$15,000.

We understand that there may be some variation in the shipping cost and will provide additional funds for that if necessary. We do not expect that a site visit by the CRDF will be necessary.

It is our understanding that you will provide payment to the individuals at URCRM for work performed. In establishing milestones in your agreement with URCRM, we would expect that two people, one filming and one inspecting, will film, at a minimum, 20,000 pages per month, or 80,000 pages per quarter. More likely, they can do more. We would understand that in the first quarter, while the project is getting organized and underway, the amount of pages filmed may be less.

We ask that you let us review the agreement that you make with URCRM for carrying out this work to ensure that it meets our requirements.

It is our intention to transfer these funds to you this fiscal year. Please provide us with an invoice for the sum of \$15,000 as soon as possible so we can begin this process.



Please send this invoice to me as follows:

Elly Melamed
U.S. Department of Energy
1901 Germantown Road
EH-64/270CC, Room 4116
Germantown, MD 20874-1290

If possible, we would like to begin this project in September or October of this year. The first step will be to ship the equipment. When the equipment has arrived we will visit URCRM, train the staff, and help them get started. We expect to return over the course of the year to assess their progress and provide any necessary assistance.

If you have any questions, please call me on 301-903-8044. I look forward to working with your organization on this project.

Sincerely,

A handwritten signature in black ink, appearing to read 'Elly', followed by a horizontal line and a small vertical stroke.

Elly Melamed, Director
Office of Records, Research,
Data and Access

cc: Libby White
Ann Ecton
Rick Updegrove

Annex 2
Reporting Requirements/Formats
for DOE-funded JCCRER Projects

Requirements

1. Semi-annually (in October and April), URCRM will submit budget and technical progress reports (see attached format) for each project. The first progress report under this arrangement will be due October 31, 1997.
2. Additionally, by May 31 of each year, the Director of URCRM will submit a budget request (see attached format) for each project for the upcoming fiscal year (October 1-September 30). DOE will inform URCRM and principal investigators as soon as possible, and before October 1, of its funding capabilities.

Progress Report

Office of International Health Programs (EH-63), Department of Energy

Sample Format for Quarterly and Semi-Annual Progress Reports,
to be submitted with the attached Financial Report Document,
estimated length 2-4 pages

Title of Project:

Principal Investigator:

Period Covered in this Report:

I. Summary of Work

One paragraph, summary of annual work proposal. If work has substantively changed, please indicate changes, in more detail, and the date that these changes were agreed to by EH-63 (if previous approval was obtained).

II. Milestones and Deliverables Accomplished During the Reporting Period

Please complete the following information for each milestone:

- Milestone (short summary of results and explanation of any deviations from plan)
- Deliverable(s) for Milestone

III. Other Relevant Information, Including Relevant Trip Reports, Obstacles to Completion of Work Outlined in FY ____ Work Proposal; Unexpected Costs; etc.

IV. Please Provide a List of Papers Published or in Press and/or Formal Presentations Given on this Work. If reprints of papers are available, copies would be appreciated

Office of International Health Programs (EI-63) Funded Projects/U.S. Department of Energy

Please provide justification and documentation demonstrating prior approval by EH-63 for all items or expenditure that were not on original budget request document

Preliens - orders placed, but not yet paid for

unobligated \$\$ available

BUDGET REQUEST*

Office of International Health Programs (EH-63) Funded Projects/U.S. Department of Energy

<i>Please include items requested in attachment 1.</i>		
		Date Prepared:
Project/Subproject Title:		Period of Support:
Institution:		
Complete Address:		
		E-mail:
		Telephone #: Fax #:
Name of Principal Investigator:		
Name of Contact Person:		
Requested Items		Est. Amt. in U.S. \$\$
A. Itemize Equipment (if appropriate)		
Please list description of equipment (more than \$5,000)		
Please justify equipment purchase on separate page(s)		Subtotal>
B. Supplies		
Please identify and justify general supply categories on separate page(s)		Subtotal>
C. Estimated Travel Costs	Destination	Travel Dates
Please list names of travellers		
Please report justification for travel on separate page(s)		Subtotal>
D. Personnel Costs	Percent Effort	
Protect Personnel Costs		
Please list names of staff members and milestones they will be working on		
Please list duties of each staff on separate page(s)		Subtotal>
E. Other Costs		
(i.e. Publication/info. Technology Costs)		
Please itemize these costs with explanations for each cost		Subtotal>
F. Indirect Costs (i.e. institutional costs; subcontracts)		
Please itemize these costs with explanations for each cost		Subtotal>
		Est. Total
*Format for all Budget Request (invoice) submissions. If this form is not used with an Annual Work Proposal, it must include a summary of work to be done during the time period that the funds are requested for, and milestones/deliverables to be achieved.		
**Categories that do not apply to your program, please state N/A.		

Additional Justification for Budget Request Form
Office of International Health Programs (EH-63), Department of Energy
(Please attach to the Budget Request Form)

A. *Requested Supplies*

Please justify supply budget.

B. *Requested Equipment*

Please provide information on the cost of each piece of equipment and justify the need to purchase the equipment.

C. *Requested Travel Budget*

Please describe the purpose of each anticipated trip for the upcoming year, the number of people traveling, and the estimated cost.

D. *For Each Person Working on Project List*

- name of individual
- percentage of time to be spent on project
- salary
- milestones to be worked on

E. *Explanation of Indirect Costs*

Please provide a breakdown of all indirect costs. For subcontracts, include description of work to be done (milestones to be performed).

Annex 3
(Updated as of 1/19/98)

DOE will work with URCRM to explore various options for transferring funds to URCRM.

During FY 1997 and 1998, DOE will wire transfer funds to URCRM. Efforts will be made to avoid taxes on DOE funds by completing tax exemption paperwork.

For the microfilming effort only, funds will be sent through the Civilian Research and Development Foundation.